ABSTRACT

An improved User Plane location based service (LBS) architecture and message flow, enabling seamless User Plane location based services even when a mobile or wireless device has roamed among different carrier networks. The present invention overcomes constraints inherent in the current protocol for roaming support defined by the Secure User Plane Location Service specification. A location system is enabled to automatically fall back to a message tunneling mechanism to ensure the security of a communication path between the location service system and the target wireless device, ensuring that the communication path is uninterrupted as the wireless device travels.

5

10